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(71)Applicant : SUMITOMO ELECTRIC IND LTD

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(54) HIGH POLYMER ELECTROLYTE FILM AND ITS MANUFACTURE

(57)Abstract:

PURPOSE: To prolong the lifetime of a highpolymer electrolyte film and accordingly that of a solid high polymer fuel cell or an aqueous electrolyzing device, in which the electrolyte film is installed, by preventing breakage of the high polymer electrolyte film resulting from repetitive swelling and contraction of an ion exchange resin produced during operation of a device in which the high polymer electrolyte film is installed.

CONSTITUTION: A high polymer electrolyte film concerned is formed from a high polymer porous film prepared by elongation and an ion exchange resin contained at least in the pores of the porous film.